

20030310.ba v03\_n459.bam.20030310

>From ???@??? Mon Mar 10 14:37:25 2003 -0600  
Message-Id: <200303102037.h2AKbNm3023464@sco.theporch.com>  
Date: Mon, 10 Mar 2003 14:37:14 CST  
From: Old Tube Radios <boatanchors@theporch.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: BOATANCHORS digest 3459

BOATANCHORS Digest 3459

Topics covered in this issue include:

- 1) For Sale BAs  
by W4UOC@aol.com
- 2) RE: Collins KWS-1  
by "russ dworakowski" <wb3fau@hotmail.com>
- 3) Re: Fused Plugs  
by "russ dworakowski" <wb3fau@hotmail.com>
- 4) Re: BC-348R conversion/ps (and fried transformers)  
by WA5CAB@cs.com
- 5) ?? re 1935 Skyrider xtal filter  
by "Hue Miller" <kargo\_cult@msn.com>
- 6) Re: BC348 conversion/ps (and B-)  
by WA5CAB@cs.com
- 7) BA Stuff For Sale  
by "Merz Donald S" <merz.ds@mellon.com>
- 8) Re: WCC Chatham 147.5 kcs ??  
by "Sandy W5TVW" <ebjr@i-55.com>
- 9) Re: WCC Chatham 147.5 kcs ??  
by "Hue Miller" <kargo\_cult@msn.com>
- 10) Re: ?? re 1935 Skyrider xtal filter  
by Al Klase <skywaves@bw.webex.net>
- 11) Re: BC348 conversion/ps  
by "Marty's Refl. Drop" <polepeeg@aa4rm.ba-watch.org>
- 12) Re: ?? re 1935 Skyrider xtal filter  
by W7QH0@aol.com
- 13) Re: BC-348R conversion/ps (and fried transformers)  
by "Arden Allen" <gumbear@pacbell.net>
- 14) Re: BC348 conversion/ps  
by Scott Robinson <spr@earthlink.net>
- 15) Re: ?? re 1935 Skyrider xtal filter  
by "Hue Miller" <kargo\_cult@msn.com>
- 16) Re: BC-348R conversion/ps (and fried transformers)  
by Bob Roehrig <broehrig@aurora.edu>

-----  
From: W4UOC@aol.com

Message-ID: <190.16eef744.2b9e1603@aol.com>  
Date: Mon, 10 Mar 2003 11:23:31 EST  
Subject: For Sale BAs  
To: Old Tube Radios <boatanchors@theporch.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

FOR SALE BOATANCHORS

Hallicrafters S-24 Super Defiant in very good condition - \$ 200.00

Hallicrafters S-20R in very good condition - \$150.00

Hammarlund HQ-170 in near mint condition - restored by W4MA - \$350.00

Johnson Viking II CD (gov spec included ptt) - \$250.00

Johnson Viking 122 vfo - \$50.00

Johnson Viking 122 vfo, rough but works, needs new top cover - \$25.00

2- Johnson 250 Watt tuners both in excellent condition - \$125.00 each

TenTec Century 21 CW transceiver - \$175.00

Hunter Bandit 2000C linear amp ( pair 8163 tubes in final) good condx. - \$400.00

Millen 9200 Transmatch antenna tuner needs bandswitch repair - \$100.00

Morrow mobile twins (need work) no power supply - \$150.00

Signal One CX-7 transceiver, not working - \$250.00

Kenwood 820 S, transeiver needs some work - 250.00

Drake TR-3, not working - \$100.00

Drake TR-3, not working - \$100.00

Elmac AF-67 needs work with parts rig - \$100.00

Harvey Wells T-90 parts rig - \$25.00

Harvey Wells T-50C - \$100.00

B&W 5100 B good cosmetic condition needs some work - 200.00

PMR-7 Elmac mobile receiver - not working - \$40.00

PMR-8 Elmac mobile receiver - not working - \$50.00

I can deliver the above equipment to the Kennahoochie Hamfest in Marietta, GA on Saturday morning March 15, 2003 if notified before Wednesday March 12th.

Tom Koch - W4UOC  
8170 Habersham Waters Road  
Dunwoody, GA 30350  
(770) 730-8136

-----  
From: "russ dworakowski" <wb3fau@hotmail.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: RE: Collins KWS-1  
Date: Mon, 10 Mar 2003 11:27:32 -0500  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed  
Message-ID: <F33feg208SmWM9oXWmz0003916d@hotmail.com>

Try a T-368 on for size.

>From: "Freeberg, Scott (STP)" <Scott.Freeberg@guidant.com>  
>Reply-To: Scott.Freeberg@guidant.com  
>To: Old Tube Radios <boatanchors@theporch.com>  
>Subject: RE: Collins KWS-1  
>Date: Mon, 10 Mar 2003 09:25:14 -0600  
>

>You can pick up the KWS-1 and safely transport it standing up or laying  
>down with no problems as long as you are personally transporting it. The  
>problem is only when a KWS-1 is to be packed and shipped. Then the plate  
>transformer and choke must be removed or you risk significant damage.  
>

>When I bought and picked up a Johnson Desk KW last spring, all the  
>transformers were removed prior to my arrival. I thought it odd to remove  
>them since I was personally transporting it. Seller told me to pick up the  
>power transformer. Yikes. There was no way on this earth that I could have  
>moved that Desk KW 1" closer to the Jeep with all that iron in it. As it  
>was, I had to take Motrin for a couple of days after getting the Desk KW  
>pieces into the house, installing the transformers, and getting the  
>transmitter deck up into the cabinet :^))))) I think that whole rig is

>around 400 pounds, minus the desk.  
>  
>Now I don't want all you BC-610 guys to email me telling me what a real  
>transmitter weighs and to stop whinning :^)))))  
>  
>73, Scott WA9WFA  
>

-----  
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<http://join.msn.com/?page=features/featuredemail>

-----  
From: "russ dworakowski" <wb3fau@hotmail.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Fused Plugs  
Date: Mon, 10 Mar 2003 11:37:04 -0500  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed  
Message-ID: <F524tz073PV5EDLqvst0001bbc0@hotmail.com>

I just run a separate earth ground lead with my old boatanchors.  
Many folks have replaced the old fused plug/linecord with just a  
replacement cord- and eliminated the fuses! Not a good idea. Russ.

>From: "Robert Nickels" <w9ran@oneradio.net>  
>Reply-To: "Robert Nickels" <w9ran@oneradio.net>  
>To: Old Tube Radios <boatanchors@theporch.com>  
>Subject: Fused Plugs Date: Sat, 8 Mar 2003 11:50:48 -0600  
>  
>Not long ago Roy Morgan posted some excellent information designed to keep  
>us from prematurely joining the ranks of Silent Keys by relying on the  
>fused  
>plugs commonly used on Johnson and Heath gear. Thanks, Roy for  
>explaining  
>the potentially lethal safety problems caused by fused plugs, and the need  
>to replace them with properly fused 3-wire cords.  
>  
>A good source of replacement 3-wire power cords are those used by computers  
>and peripherals, but most of them use the European color designations For  
>years, the colors of individual conductors in cords for use in North  
>America

>have been black for line, white for neutral, and green for earth (ground).  
>But in order to harmonize worldwide standards, two major UL equipment  
>standards, UL 1950, Information Technology Equipment, and UL 2601, Medical  
>and Dental Equipment, started several years ago to require the more  
>traditional European conductor color coding: brown for line, light blue for  
>neutral, and a combination of green and yellow for ground.

>  
>The color conversion is as follows:

>  
>LINE               (US) Black = (EU) Brown  
>COMMON   (US)White = (EU) Blue  
>GROUND    (US) Green     (EU) Green/Yellow

>  
>"Switch to Safety" was a good motto when our boatanchor radios were new,  
>and  
>still is today. I replaced the cord on my DX-100 today and urge others to  
>do the same. Before rewiring your gear, please check a website like  
><http://www.sherline.com/powrcord.htm> to make absolutely sure you wire  
>things  
>up right, and play it safe!

>  
>73, Bob W9RAN  
>

---

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<http://join.msn.com/?page=features/featuredemail>

---

From: WA5CAB@cs.com  
Message-ID: <5f.36487635.2b9e19dd@cs.com>  
Date: Mon, 10 Mar 2003 11:39:57 EST  
Subject: Re: BC-348R conversion/ps (and fried transformers)  
To: Old Tube Radios <boatanchors@theporch.com>  
MIME-Version: 1.0  
Content-Type: multipart/alternative;  
boundary="part1\_5f.36487635.2b9e19dd\_boundary"

--part1\_5f.36487635.2b9e19dd\_boundary  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Group,

I had forgotten about that CQ article and was thinking that the BC-348 audio  
packs that I was supplying were all going to replace ones removed for some

other reason. Anyway, I have replacements for the fried ones too. :-) BTW, I mentioned some time ago that I had replacements for the ones in the BC-348-HKLR and -EMOPS but not for the -JNQ. I recently found that I did have a few used ones for the -JNQ.

FYI, there is more inside the output transformer can than just the audio transformer, which is why the manuals and SIG Stock Lists refer to them as Audio Packs. The -HKLR and -EMOPS model audio packs are actually functionally interchangeable. Only the can construction and schematics glued to the tops differ (component circuit symbol designators and wire color codes). The -JNQ is different and the two types are very definitely NOT interchangeable. In the first two, the dynamotor filter choke is in the B- leg (but shunted across the bias network) and goes to ground (internally). And there is a .05ufd capacitor inside (FWIW, I have found very few of these to be bad). In the -JNQ, the choke is also in the B- lead but it does not go to ground. One side goes to the B- from the dynamotor and the other goes to the bias circuit that Dave mentioned. And there is no capacitor inside.

In a message dated 3/10/2003 10:01:08 AM Central Standard Time, boatanchors@theporch.com writes:

> Re:  
> Content-Type: text/plain; charset=us-ascii  
> Content-Transfer-Encoding: 7bit  
>  
> Do not connect the B- to ground in a BC-348.  
> It returns through a resistance designed to provide bias  
> to the audio output. You will fry your audio output transformer  
> and tube if you ground the B- for long.  
> CQ magazine printed a 348 "power supply" that fried lots of  
> output stages, and it has sadly lived on to this day.  
> Then people said the rig didn't have enough  
> audio, so they tore out the audio stages and jake-legged in  
> some jury-rig, and all because someone wrote a magazine  
> article without taking a moment to actually look at the circuit.  
> It's an unfortunately common story in milsurplus circles.

73

Robert Downs

Houston

<wa5cab@cs.com>

--part1\_5f.36487635.2b9e19dd\_boundary

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

\* \* \* \* \*  
\* ---REMAINDER OF MESSAGE TRUNCATED--- \*  
\* This post contains a forbidden message format \*

\* (such as an attached file, a v-card, HTML formatting) \*  
\* Mail Lists at theporch.com only accept PLAIN TEXT \*  
\* If your postings display this message your mail program \*  
\* is not set to send PLAIN TEXT ONLY and needs adjusting \*  
\* \* \* \* \*

--part1\_5f.36487635.2b9e19dd\_boundary--

-----  
From: "Hue Miller" <kargo\_cult@msn.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: ?? re 1935 Skyrider xtal filter  
Date: Mon, 10 Mar 2003 08:53:18 -0800  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Message-ID: <0E145E2Xf2hCH5s6Hn80000c776@hotmail.com>

This is a question about the crystal filter in the 1935 Super-Skyrider.  
The crystal filter switch has 3 positions SP3T and the selector arm  
(SP) is attached to the IF grid.  
In OFF, the selector shorts across the crystal, from secondary of  
IF xfmr to grid of IF.  
In ON, the selector goes to ground thru an RFC, so there is a load  
for the crystal to grid path.  
In PARALLEL, the grid is shorted across the phasing capacitor, on  
the opposite 1/2 of the CT IF coil secondary.

I don't get this last position. This would seem to do the same thing as  
off- remove the crystal from controlling selectivity at all. Comment?  
Tnx, Hue Miller

-----  
From: WA5CAB@cs.com  
Message-ID: <f3.2973792c.2b9e24f4@cs.com>  
Date: Mon, 10 Mar 2003 12:27:16 EST  
Subject: Re: BC348 conversion/ps (and B-)  
To: Old Tube Radios <boatanchors@theporch.com>  
MIME-Version: 1.0  
Content-Type: multipart/alternative;  
boundary="part1\_f3.2973792c.2b9e24f4\_boundary"

--part1\_f3.2973792c.2b9e24f4\_boundary  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Jim and Group,

I also have Volume 1, two different editions (2nd and 3rd). If you look more closely at the schematic of the BC-348-J, you will see that the filter choke (155-B) in the B- lead does not in fact go to ground. Near the dynamotor on the schematic, it goes to a 250K that goes elsewhere. And it goes to a 50 ohm (108-2) that does go to ground. It also wanders off toward the right side of the schematic where it connects to another 50 ohm (108-1) to ground and to a 1 meg that goes into the mixer grid circuit.

This agrees with the schematics in the original manuals.

I don't mention what I have for sale here too much but I think it's fair (pun intended) to mention that I also have reprints available of all of the BC-348 model manuals except for the -B (the first model built) and -G. Wish that I could find those. I know what the T.O. number is on the -B but don't even know that on the -G. FWIW, the Airborne Radio Equipment Handbook says that so far as manuals go, -B is interchangeable with -C but that -G is not interchangeable with any other model. Don't know what the story is here. A previously unknown contractor, perhaps???

>  
> I do have a rather dog-eared article in my Surplus Radio Conversion Manual=  
> 1, Volume I, 1948, titled "Converting the BC348 Receiver." It includes in=  
> formation on building an ac power supply, rewiring the filaments, matchi=  
> ng the speaker, adding another audio stage and a noise limiter, adding an=  
> S-meter, etc. I will take it to work tomorrow and make a Xerox copy for=  
> you.

>  
> One hint that might have to do with your power supply loading situation, =  
> the article says that the B- on the BC348Q is NOT grounded. However, the=  
> schematic that they publish is for the BC348J and it shows the B- from t=  
> he dynamotor grounded for that version. =20

>  
> Also, Fair Radio Sales ([www.fairradio.com](http://www.fairradio.com)) does list a repro manual for t=  
> he BC348J-N-Q in their WS-02 Catalog for \$12. I have their manual for th=  
> e BC348 K-L-R, and it is a good, loose-leaf copy. You might want to make=  
> the investment. Let them know that you have a "Q." They may have a spe=  
> cial schematic for it.

>

73

Robert Downs

Houston

<[wa5cab@cs.com](mailto:wa5cab@cs.com)>

--part1\_f3.2973792c.2b9e24f4\_boundary

Content-Type: text/plain; charset=us-ascii



Content-Transfer-Encoding: 7bit

```
* * * * *
*      ---REMAINDER OF MESSAGE TRUNCATED---      *
*      This post contains a forbidden message format      *
*      (such as an attached file, a v-card, HTML formatting) *
*      Mail Lists at theporch.com only accept PLAIN TEXT      *
*      If your postings display this message your mail program *
*      is not set to send PLAIN TEXT ONLY and needs adjusting *
* * * * *
```

--part1\_f3.2973792c.2b9e24f4\_boundary--

-----  
Message-ID: <20030310181119.14825.qmail@mellon.com>  
content-class: urn:content-classes:message  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable  
Subject: BA Stuff For Sale  
Date: Mon, 10 Mar 2003 13:10:08 -0500  
From: "Merz Donald S" <merz.ds@mellon.com>  
To: Old Tube Radios <boatanchors@theporch.com>

FOR SALE

Military "Coupler, Transmitter CU-402/SRT A Unit Of AN/SRT-14, 15 or 16 =  
Radio Transmitting Set." I think this is a directional coupler, but I am =  
not sure. This has 2 knobs INPUT TAP and OUTPUT TAP on the front along =  
with a 5A RF Ammeter. On top it has SO-239 connectors for RF in and RF =  
out plus an Amphenol-type socket labeled "Directional Coupler Monitor =  
Output." Seems to be in nice shape. Built like a battleship. \$59

Hallicrafters HA-1 "T.O. Keyer." The front panel looks very good and the =  
unit seems to be all original. Unfortunately, the original owner =  
ink-stamped his name and address on the top rear of the cabinet. Also, =  
one of the riveted-on plastic feet is broken off. This works but has an =  
unstable tone suggesting some restoration work is in order. \$38

RCA Radiola 18. Famous 1920's single-dial broadcast set. The wood on =  
this is nice. It has original knobs and dial eustacheons. But the dial =  
lamp hood is probably a reproduction. Untested and assumed to need =  
electrical restoration. With all tubes. As-is. I think I have the Riders =  
info on this set. \$71

Paper tape for Teletype tape punch, 1", yellow, 7 rolls, brand new in=20  
opened original carton. \$15 plus shipping on 13 pounds.

Northern Radio Type 152 Frequency Shift Tone Converter. 1955-vintage TU.

This is a single channel from a dual unit. It fits in a 3.5" x 19" rack panel. No marking on controls or elsewhere. The filters in this unit look home-made and are for 850CPS shift. This has a plain aluminum front panel, with no markings on it whatsoever. Untested. With manual photocopy. Tubes are 3-12AX7, 3-12AU7, 2-6AQ5, 1-6X4. As-is. \$10

RTTY Journal. 9 issues: \$9 PPD

1962: 11

1975: 3

1976: 7/8, 9, 10, 11, 12

1977: 1, 2

Hallicrafters S-40 Service Bulletin Number 1. In perfect shape with fold-out schematic. Original: \$14 PPD

Nems-Clarke 1301A and 1302A VHF Receiver manual Photocopy. \$9 PPD

RCA Type 167-B Test Oscillator manual. This is undated but from the late 30's or early 1940's. One chip is out of the front cover top right corner. But this is otherwise in excellent condition. \$6

WANTED: Hallicrafters S-108 manual copy (a real paper photocopy or original please)

Thanks.

73, Don Merz, N3RHT

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-----  
Message-ID: <00b601c2e73b\$4008cb00\$789ccdd1@s0023531634>

From: "Sandy W5TVW" <ebjr@i-55.com>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: Re: WCC Chatham 147.5 kcs ??

Date: Mon, 10 Mar 2003 13:28:36 -0600

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

The calling frequency on that band was 143 khz. Then one QSYed to a working channel while the coast station (in this instance) stayed on 147.5. I can get the band limits if someone desires. This band was common back during the spark and especially the "arc" days. (Poulsen arc CW transmitters made by mostly Federal Radio.) There were some coast stations in this band using immense large arc transmitters as well. One of my former bosses was on ships when they used the old arc rigs on LF and spark rigs on 600 meter band.

73,

Sandy W5TVW

----- Original Message -----

From: "Hue Miller" <kargo\_cult@msn.com>

To: "Old Tube Radios" <boatanchors@theporch.com>

Sent: Monday, March 10, 2003 1:07 AM

Subject: WCC Chatham 147.5 kcs ??

| So, why did RCA's Chatham station WCC transmit  
| on 147.5 kcs? The ship wouldn't be expected to  
| reply on such a low frequency, would it? I don't  
| think i've ever seen a ship transmitter capable, i mean  
| after the 1920s, of transmitting that low.

| Also, i see Chatham's 500 kcs frequency had 40 kw  
| input. Wow!!

| -Hue Miller

-----  
From: "Hue Miller" <kargo\_cult@msn.com>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: Re: WCC Chatham 147.5 kcs ??

Date: Mon, 10 Mar 2003 11:28:34 -0800

MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Message-ID: <0E27BQX8HA9W4porCac0000764b@hotmail.com>

>This band was common back during the spark and especially

> the "arc" days

That i knew. It used to be "higher (wavelength) is better". But this listing was from an RCA services booklet, undated, but looks 1960s-1970s. Lots of AR-88s, i wonder where they all went, and if they still look as good.

Hue

-----  
Message-ID: <3E6CEF12.2000208@bw.webex.net>

Date: Mon, 10 Mar 2003 15:01:22 -0500

From: Al Klase <skywaves@bw.webex.net>

MIME-Version: 1.0

To: Old Tube Radios <boatanchors@theporch.com>

CC: Old Tube Radios <boatanchors@theporch.com>

Subject: Re: ?? re 1935 Skyrider xtal filter

Content-Type: text/plain; charset=us-ascii; format=flowed

Content-Transfer-Encoding: 7bit

"Parallel" is supposed to get you a notch, like to eliminate a het from a phone signal. The three position setup is based on the James Lamb article in 1932 QST that jump started everyone on crystal filters. I don't think it ever worked all that well as it mostly disappeared by about 1935 or so.

Al

Hue Miller wrote:

>

> I don't get this last position. This would seem to do the same thing as

> off- remove the crystal from controlling selectivity at all. Comment?

> Tnx, Hue Miller

>

>

>

--

Al Klase - N3FRQ

skywaves@bw.webex.net

Flemington, NJ 08822

Web Page: <http://www.webex.net/~skywaves/home.htm>

-----  
Date: Mon, 10 Mar 2003 14:54:49 -0500 (EST)

From: "Marty's Refl. Drop" <polepeeg@aa4rm.ba-watch.org>

Message-Id: <200303101954.0AA05827@aa4rm.ba-watch.org>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: BC348 conversion/ps

All I've got on the subject is it's a CRIME in 2003 to rewire filaments for 6 vac. 24DC is available from hosts of throw-away power supplies from things like Diablo printers - series-regulated yet.

Then one can take a simple RX power transformer, series 5 & 6V windings & make a voltage doubler to get that 24VDC stuff. Four parts needed / 2 diodes & 2 electrolytics.

1955 surplus conversion hints ARE JUNK by current std.s. Yes. ARE JUNK.

And on the "black postage stamp cap.s." Here's an area of agreement - most are gonzo.

But test w. B+ thru big WW res. & filaments off - replacing the obvious bad 'uns.

Shotgunning set as advisable as Microsoft procedure of reformatting disks, then re-install OS plus 'APS' when any PC glitch turns up.

But if shotgunning & 1955 conversion angles your bag, don't forget to replate all screws and throw away ID plates.

Closing note. "Black postage stamp cap.s." ARE NOT the 50s black beauties. Those were tubulars often with color bands

My 2 cts.

Marty

-----  
From: W7QH0@aol.com  
Message-ID: <2f.363d8588.2b9e4c12@aol.com>  
Date: Mon, 10 Mar 2003 15:14:10 EST  
Subject: Re: ?? re 1935 Skyrider xtal filter  
To: Old Tube Radios <boatanchors@theporch.com>  
MIME-Version: 1.0  
Content-Type: multipart/alternative;  
boundary="part1\_2f.363d8588.2b9e4c12\_boundary"

--part1\_2f.363d8588.2b9e4c12\_boundary  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

In a message dated 3/10/03 8:58:25 AM, kargo\_cult@msn.com writes:

> The crystal filter switch has 3 positions SP3T and the selector arm  
> (SP) is attached to the IF grid.  
> In OFF, the selector shorts across the crystal, from secondary of  
> IF xfmr to grid of IF.  
> In ON, the selector goes to ground thru an RFC, so there is a load  
> for the crystal to grid path.  
> In PARALLEL, the grid is shorted across the phasing capacitor, on  
> the opposite 1/2 of the CT IF coil secondary.  
>  
> I don't get this last position. This would seem to do the same thing as  
> off- remove the crystal from controlling selectivity at all. Comment?  
>

HUE,

The May 1935 QST in an article titled "Looking over the Circuits of the New Amateur-Band Superhets" by James Lamb shows the schematic of your receiver. A couple of other receivers, the RME-9-D and the Silver 5-C covered in the article also included the "Parallel" option. Lamb mentions this in passing but does not offer any discussion or explanation of the mode. Looking back in my incomplete collection of 34 and 33 issues it would appear that the parallel connection was a standard option. I found references to articles in Aug. and Sep. 32, and June and March 33 that might tell more (none of which I have). The parallel option seems to have been dropped after 1935.

Good luck.

Dennis D. W7QHO  
Glendale, CA

--part1\_2f.363d8588.2b9e4c12\_boundary  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

\*\*\*\*\*  
\* ---REMAINDER OF MESSAGE TRUNCATED--- \*  
\* This post contains a forbidden message format \*  
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--part1\_2f.363d8588.2b9e4c12\_boundary--

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Message-ID: <004301c2e742\$36fe2bc0\$b7e57443@KB6NAX>  
From: "Arden Allen" <gumbear@pacbell.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: BC-348R conversion/ps (and fried transformers)  
Date: Mon, 10 Mar 2003 12:16:37 -0800  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

My solution to the BC-348 audio output tube bias problem is to ground B+ return and install cathode resistor (with 25uF bypass) for self bias of output tube. Works FB.

Arden Allen  
KB6NAX  
Vallejo, CA  
gumbear@pacbell.net

-----  
Message-Id: <5.1.0.14.0.20030310121819.01c9ea70@mail.earthlink.net>  
Date: Mon, 10 Mar 2003 12:20:31 -0800  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Scott Robinson <spr@earthlink.net>  
Subject: Re: BC348 conversion/ps  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Scott comments:

I've only done one BC-348, but I found a fair number of resistors a bit high, including some in the shielded RF amp coil housings. I went through it entirely, all caps and any needed resistors. I expect it will work for a long time. I may do some (discreet) audio mods, if I get around to it. Mine already had the AC supply, nicely done, with 24V heater strings intact.

Regards,

/scott

At 02:54 PM 3/10/2003 -0500, you wrote:

>All I've got on the subject is it's a CRIME in 2003 to rewire filaments  
>for 6 vac. 24DC is available from hosts of throw-away power supplies

>from things like Diablo printers - series-regulated yet.  
>  
>Then one can take a simple RX power transformer, series 5 & 6V windings  
>& make a voltage doubler to get that 24VDC stuff. Four parts needed / 2  
>diodes & 2 electrolytics.  
>  
>1955 surplus conversion hints ARE JUNK by current std.s. Yes. ARE JUNK.  
>  
>And on the "black postage stamp cap.s." Here's an area of agreement - most  
>are gonzo.  
>  
>But test w. B+ thru big WW res. & filaments off - replacing the obvious bad  
>'uns.  
>  
>Shotgunning set as advisable as Microsoft procedure of reformatting disks,  
>then re-install OS plus 'APS' when any PC glitch turns up.  
>  
>But if shotgunning & 1955 conversion angles your bag, don't forget to  
>replate all screws and throw away ID plates.  
>  
>Closing note. "Black postage stamp cap.s." ARE NOT the 50s black beauties.  
>Those were tubulars often with color bands  
>  
>My 2 cts.  
>  
> Marty

-----  
From: "Hue Miller" <kargo\_cult@msn.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: ?? re 1935 Skyrider xtal filter  
Date: Mon, 10 Mar 2003 12:31:26 -0800  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Message-ID: <0E41Y5Zki0TXwxB4Ezh00007239@hotmail.com>

In fact, the wonderful 1935 QST article on current receivers is what inspired my question. ( I say "wonderful" because it has the schematics of 6 or so receivers, incl. some not often seen, such as Sargent 8-34.)

Looking it over again, it looks like in PARALLEL position, two voltages out of phase arrive at the grid, EXCEPT- frequencies blocked by the crystal (in parallel resonant mode) in the upper leg of the



ct tapped IF coil. So that's it. The parallel and series modes are a little different, but i really don't see any advantage to using it in parallel mode, especially as the phasing cap is no longer effective. Maybe the crystal had different maximum selectivity in the two modes? Otherwise, i give up. But as you noted, this idea was not continued.

Hue

-----  
Date: Mon, 10 Mar 2003 14:36:50 -0600 (CST)  
From: Bob Roehrig <broehrig@aurora.edu>  
To: Old Tube Radios <boatanchors@theporch.com>  
cc: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: BC-348R conversion/ps (and fried transformers)  
Message-ID: <Pine.OSF.4.53.0303101434360.117038@mail.aurora.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 10 Mar 2003, Arden Allen wrote:

> My solution to the BC-348 audio output tube bias problem is to ground B+  
> return and install cathode resistor (with 25uF bypass) for self bias of  
> output tube. Works FB.

Maybe I am thinking of another receiver (and I don't have my 348 dope here at work) but wasn't here also another stage using that bias (or part of it) like the mixer stage?

Bob Roehrig  
Aurora University Telecom/IS dept.  
broehrig@aurora.edu 73 de K9EUI  
630-844-4898 fax 630-844-4222

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End of BOATANCHORS Digest 3459  
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